



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

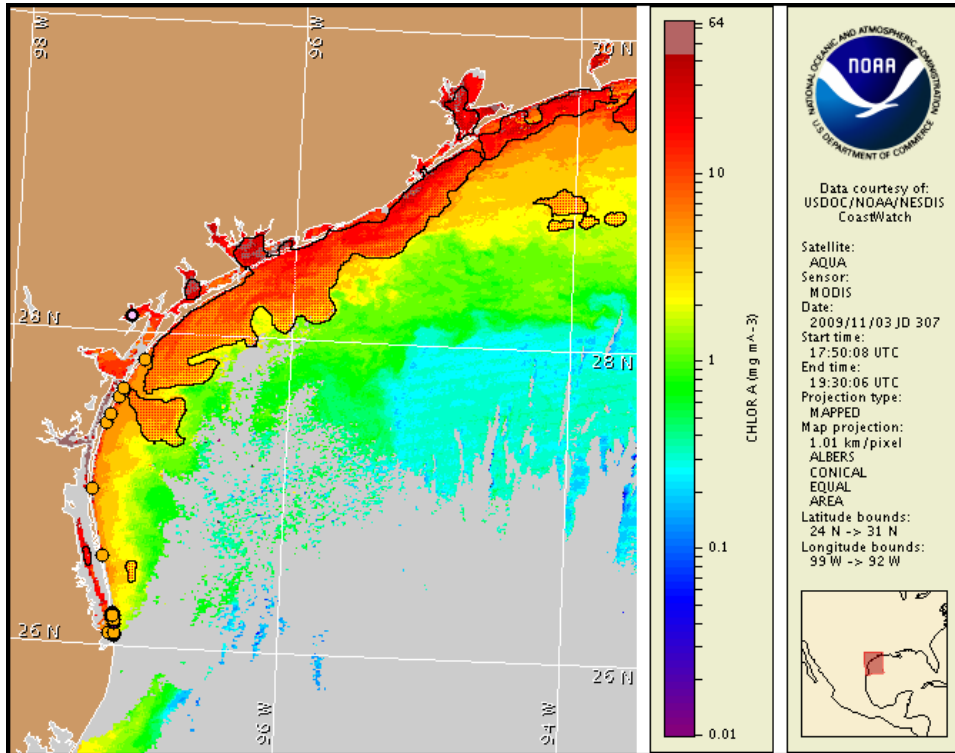
5 November 2009

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: November 3, 2009



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from October 26 to November 4 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf

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1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.

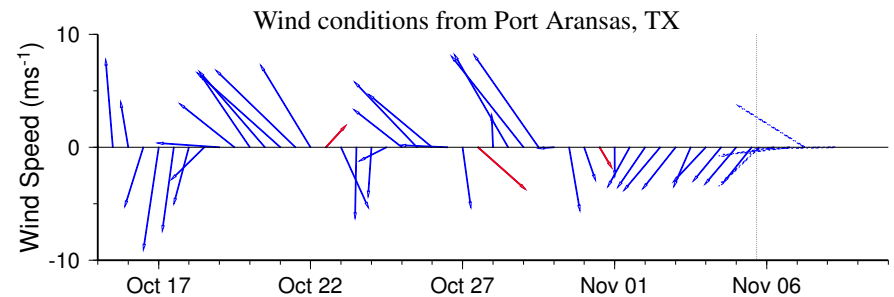
Conditions Report

A harmful algal bloom continues from Mustang Island to South Padre Island. Moderate to high impacts are expected through Sunday.

Analysis

Imagery continues to show elevated chlorophyll along the entire Texas coast. Much of this high chlorophyll is most likely due to resuspension and not a result of the ongoing *K. brevis* bloom. Therefore, analysis of the bloom extent from satellite is limited. However, a suspicious feature can be seen offshore the Port Mansfield channel (centered on 97°44'49"W and 26°30'26"N) and warrants sampling. Onshore winds and high seas could increase impacts at the coast over the weekend. Southerly transport is expected to continue and should prevent northward expansion of the bloom.

-Tomlinson, Lopez

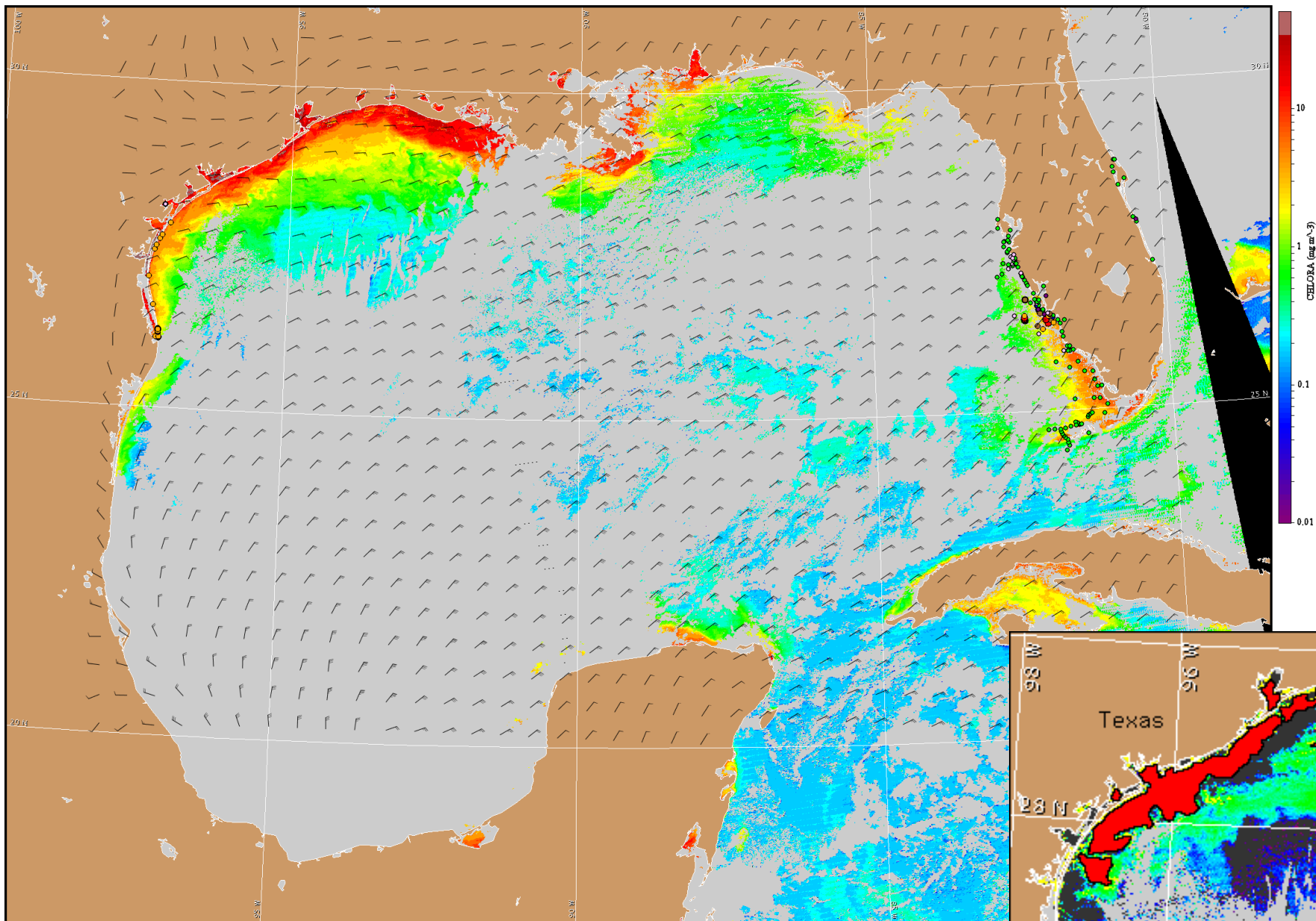


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

Wind Analysis

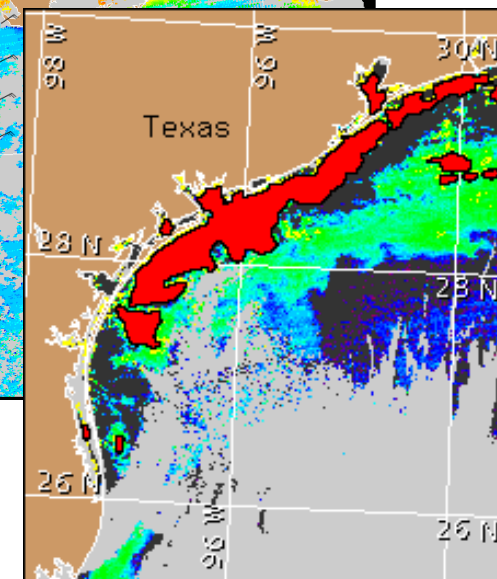
Northeasterly winds today (15 knots) are expected to turn easterly Friday and through the weekend. In addition, high seas are expected through the weekend.

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA CoastWatch bulletin archive: http://coastwatch.noaa.gov/hab/bulletins_ns.htm



Satellite chlorophyll image and forecast winds for November 6, 2009 12Z with Cell concentration sampling data from October 26 to November 4 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

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Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).